

WHAT IS CLAIMED:

5 Sub A 1. A system comprising:
a source of a first video image signal representative of a background image;
a source of a user image signal representative of a user image;
processor apparatus, for selectively positioning the user image to appear at a
predetermined position in the background image, and for providing a composited video
output responsive to the user image signal and the first video signal;
10 wherein the user image is comprised of a video of at least a portion of a
person, wherein the background image is comprised of at least one of a predefined
background scene, facial features, predefined image data, voice data, hair style, mustache,
beard, hair color, hair accessories, hair removal, tools, instruments, clothing, accessories,
and facial cosmetic makeup; and
wherein the composited video output is comprised of the user image
15 integrated with the background image.

20 Sub D 2. The system as in claim 1, wherein the processor apparatus provides for
scaling the user image prior to positioning the user image to appear at the predetermined
position.

3. The system as in claim 2, wherein the processor provides for the resizing
and translating of the user image for each of a plurality of the background images
comprising an audiovisual presentation.

25 4. The system as in claim 2, wherein the scaling is comprised of at least one of
adjustment of resolution, formatting, mapping, and sizing.

30 Sub E 5. The system as in claim 1, further comprising:
apparatus for storing a signal representative of the composited video output
onto a storage medium.

Sub F 6. The system as in claim 5, wherein the storage medium is comprised of at
least one of a videotape, a floppy disk, a compact disk, a digital video disk, other magnetic
storage, other digital storage, a photographic print, and a computer image printout.

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7. The system as in claim 1, wherein there are a plurality of background images, the system further comprising:
a user input apparatus; and
control logic for selecting at least one of the plurality of the background
5 images for integration responsive to the user input apparatus.

Sub Dkt 8. ~~The system as in claim 1, wherein the user image signal is comprised of at least one of a camera, a computer, a communications device, and a storage device.~~

10 8. The system as in claim 7, wherein the user input apparatus is comprised of at least one of a mouse, a joystick, a light pen, voice recognition, image recognition, a touch screen, a touch pad, and a keyboard switch.

15 Sub Dkt 10. The system as in claim 1, further comprising:
a video entertainment apparatus, comprising the processor, a memory, a display output, a user input device, and a data interface;
wherein the video entertainment apparatus provides the display of a selected
one of a default presentation comprising the background image and of an integrated
presentation comprising the user image positioned within the default presentation in the
20 predetermined position; and
means for selecting one of the default and the integrated presentation as a selected presentation type, wherein the processor is responsive to the data from the storage device and the source of user image signal to provide the composited video output of the integrated presentation responsive to the selected presentation type.

25 11. The system as in claim 1, wherein at least one of the source of the first video image signal and the source of the user image signal is comprised of at least one of a modem, a CD-ROM, a DVD cartridge, a floppy disk, a smart card, magnetic storage, optical storage, and semiconductor storage.

30 Sub Dkt 12. ~~The system as in claim 1, further comprising a source of tracking data; wherein the integrated presentation is comprised of the user image integrated into the background images in accordance with the tracking data.~~

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- 5 13. An image integration system comprising:
a source of presentation signals defining a video presentation;
a source of external image signals defining an external video image;
a source of integration signals defining linkage mapping for integration of
the external image signals with the presentation signals; and
apparatus for integrating the external image signals with the presentation
signals responsive to the integration signals, for providing an integrated display output.
- 10 14. The system as in claim 13, wherein the external image signal is at least one
of an analog signal, a digital signal, a broadcast video signal, signal parameter data, video
image data, audio data, control signals, and mapping signals.
- 15 15. The system as in claim 13, wherein the integration signal is representative
of at least one of motion tracking of identifiable images within the video presentation,
~~rotoscoping~~, computer generated tracking, and positional and temporal placement
information for providing for the external video image integration.
- 20 16. A display integration system comprising:
apparatus providing display signals for a display presentation comprising
predefined characters having respective positional and temporal characteristics associated
with the display presentation thereof;
a source of user image signals having an associated user image display
presentation;
apparatus for integrating the user signals with the display signals for one of
25 the predefined characters to provide a modified display presentation comprising the user
image display presentation having positional and temporal characteristics associated with
the respective positional and temporal characteristics of a selected one of the predefined
characters.
- 30 17. The system as in claim 16, wherein the user image signals are further
comprised of a texture map.

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18. The system as in claim 16, wherein the positional and temporal characteristics are provided as separate signals from the display signals.

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5 19. The system as in claim 16, wherein the user image signals are further comprised of parameter data, wherein the apparatus for integrating is responsive to the parameter data for texture wrapping of the user image display over the associated selected one of the predefined characters.

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20. The system as in claim 16, wherein the positional and temporal characteristics are derived from the display signals.

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21. A method of generating a visual presentation comprising:
representing a user presentation as a user image signal;
representing a video presentation as video presentation signals comprised of tracking signals and associated video signals;
integrating the video signals and the user image signals responsive to the tracking signals, to integrate the respective user presentation for the user image signal with the respective video presentation for the associated video signal to provide an integrated video presentation output.

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22. The method as in claim 21, further characterized in that said tracking signals are comprised of time and spatial data, the method further comprising:
utilizing the time and spatial data to control placement of the user presentation into the associated video presentation.

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23. The method as in claim 21, wherein the tracking data is comprised of at least one of manually generated tracking data, automatically generated tracking data, and motion-capture data representative of at least one of a plurality of defined actor positions.

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24. A method of providing a visual display presentation comprising:
providing digitized image data representative of a display presentation of at least a portion of a person;

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providing ancillary data representative of a display presentation of ancillary attributes;

selecting one of a plurality of image integration options for selectively mapping and linking the display presentation for respective ones of the image data and the ancillary data;

integrating the respective image data and the respective ancillary data responsive to the selected image integration option to modify the display presentation of the at least portion of the person with the ancillary attributes, to provide modified image data; and

providing the visual display presentation responsive to the modified image data.

25. The method as in claim 24, wherein the ancillary data is comprised of at least one of a background scene, a sequence of background scenes forming one of a video and an audiovisual presentation, hairstyle, facial hair, removal of hair, clothing, hair accessories, clothing accessories, hair color, facial cosmetic makeup, weapons, glasses, and other props.

26. A display presentation system for providing a presentation output comprising:
a source of image data representative of a visual display presentation;
a source of presentation data representative of a plurality of ancillary attributes for modifying the visual display presentation of the image data, wherein each of the ancillary attributes is associated with at least one of a plurality of selectable options for modifying the visual display presentation;
a user input apparatus providing for the user to select one of the plurality of selectable options;
application software comprising control logic for providing for generation of the presentation output as a video display comprising the combination of the visual display presentations for the image data and at least one of the ancillary attributes selected responsive to the user input apparatus; and
a processor, responsive to the application software, the input apparatus, the presentation data, and the image data, for generating the presentation output.

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27. The system as in claim 26, wherein the visual display presentation is representative of the image of a person, and wherein the ancillary attributes are further comprised of at least one of color, lighting, clothing, other attire, hairstyle, hair color, removal of hair, addition of hair, hair accessories, clothing accessories, facial accessories, jewelry, glasses, cosmetics, tools, and weapons.

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28. The system as in claim 26, wherein the image data is coupled from an image source comprised of at least one of a camera, a magnetic storage device, an optical storage device, a semiconductor device, and a communications link to a remote device.

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29. A system for user creation and storage of user image signals, comprising:
apparatus for generating user image signals for at least one of a plurality of poses of a user image;
storage apparatus; and
apparatus for formatting the user image signals and storing the formatted user image signals as digital data in the storage apparatus;
wherein user image signals are stored in a defined indexed structure to provide mapping for selection of poses according to the defined indexed structure.

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30. The system as in claim 29, wherein the plurality of poses are at least ^{two} ~~one~~ of front facial view, side facial view, top facial view, smiling, frowning, happy, sad, upset, angry, shy, frustrated, other facial expressions, sitting, standing, kneeling, jumping, and lying down.

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31. The system as in claim 29, wherein the mapping of the poses is according to an associated emotional function.

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32. A video entertainment system comprising:
a video game apparatus, for providing video game play parameters representative of a current state of active game play;
a storage apparatus; and
apparatus for storing the video game play parameters on the storage apparatus.

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33. The system as in claim 32, further comprising:
apparatus for resuming active game play of the video game responsive to
the video game play parameters stored on the storage apparatus.
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34. A method of producing a customized presentation comprising:
providing a background image;
providing a customized image; and
producing a customized video tape responsive to superposition of the
customized image over the background image.
35. The method as in claim 34, wherein the background image is at least one of
a video presentation, an audiovisual presentation, and an audio presentation.
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36. The method as in claim 35, wherein the background image is a
predetermined sequence of a plurality of background images.
37. The method as in claim 34, wherein the customized image is at least one of
a video image, an audio sequence, and an audiovisual image.

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